Service / Workshop Manual

Electrical Information

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Electrical Information

Indicator Cancellation Disk - Set Up.

1. Before attempting to reset the indicator cancellation mechanism you must firstly ensure the wheels and steering are straight - have been tracked.

2. Turn ignitation on. - As described in the Owners Handbook.

3. To activate the indicator cancellation mechanism you must simultaneously press (A) the 3 steering wheel buttons (shown in the diagram 1).

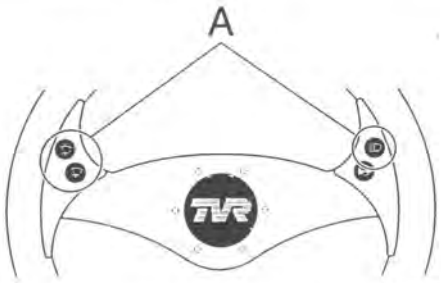
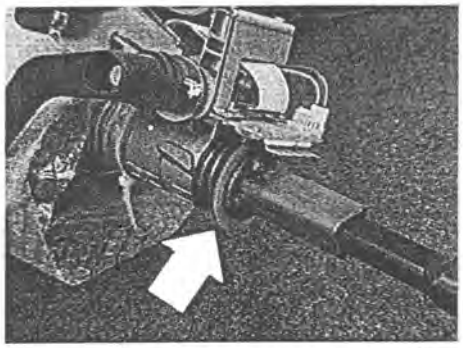


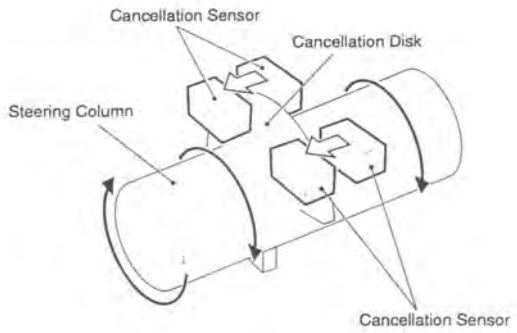
diagram 1

You are then in the setup mode. The main beam will come on and stay on whilst set in this mode. The indicators will also light up if the indiactor sensor (which is shown in diagram 2) is covered by the turning of the steering wheel.



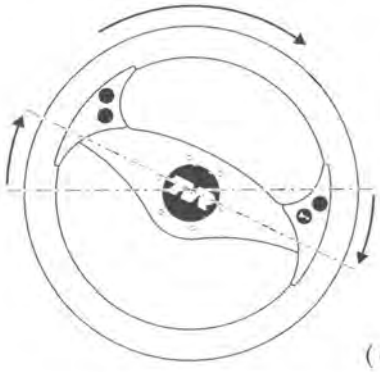
(diagram 2)

4. To work out the angle of displacement for each turning circle (Anti-Clockwise = Right turning circle and Clockwise = Left turning circle) Turn the wheel in the direction desired until the indiactor arrow on that side goes out. This means that the sensor on the steering column has been covered by the cancellation disk,thus breaking the connection. (see diagram 3)



(diagram 3)

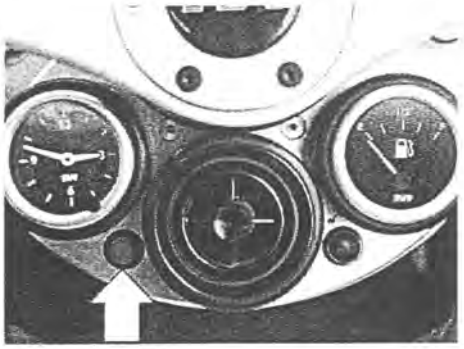
Once it has gone out note the angle of the steering wheel before returning to the central/striaght position.
You can then measure the displacement on the opposite lock by turning in the opposite direction until the indiactor light on this side goes out. (diagram 4)



(diagram 4)

5. If the two angles are not the same (left lock and right lock) the indiactor cancellation disk can be adjusted by turning the cancellation disk on the steering shaft, (as indicated on the diadram) to ensure the cancellation of the indicators is the same for both lefthand turning circle and the righthand.

6. Once the adjustment has been done, to exit the cancellation mode you have been working in just switch off the ignition as indicated below. (diagram 5)



(diagram 5)

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Operation of the Alarm

The Alarm System installed in the Cerbera has been designed to provide optimum protection at all times. The System uses a Rolling Code Radio key which never uses the same code twice and is therefore code grabber proof.

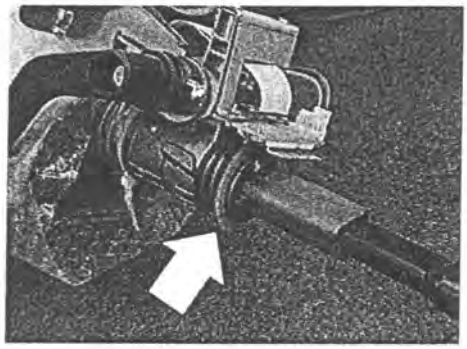
Alarming

1. Assuring both door s are shut. (The control system is told the doors are closed by receiving a 5 volt and greater output from the door pin imports.)

2. Switch alarm into armed mode - (As described in the Owners Handbook.)
(Door control alarm import will be equal to or greater than 5 volts.)

3. This will result in **Auto Closure :-**

A) The windows will automatically close.
B) The status LED/ Lock button on the central dash panel (see diagram) will flash rapidly.



N.B. If the door is open when the alarm is activated the alarm system will activate but the door control will not, thus not activating the Auto Closure sequence. To lock the doors you must disarm the alarm and then rearm the alarm.

-Dog Mode - Locking the doors without arming the alarm.

1. Set window height before leaving the car.

2. Open a door.

3. Press and hold status led button for more than 5 seconds, this will result in the led flashing rapidly to indicate you are in the dog mode.

4. Once the led is flashing rapidly the doors can be shut. They will then be locked. The boot will also lock.

5. To overide this mode from outside the car - arm and then disarm the alarm.

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Revision 3 Connector Listings

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Fuseboard

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TVR Cerbera Electrical Connections - Revision 3
Modifications/requirements:

This revision incorporates changes in the connector manufacture/supplier:
The AMP "Duomate" range of wire to wire connectors have now been replaced. The new range that replaces these components are supplied by ITT Cannon and are known as the "Trident" range.
The following wire lists have been created to enable these connectors to be used and to allow for some minor modifications to power supply distribution and future developments within ECU's.

Front Harness Connectors - Revision 3

(J1) BONNET SWITCH:
1 x 2 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	earth	black	0.5	earth point	-
2-	bonnet signal	blue/black	0.5	multiway 1	21

(J2:A , J2:B)BRAKE LIGHT SWITCH:
2 x 6.3mm spades & covers

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
-	ignition	green	0.5	spliced joint 3	-
-	brakes signal	green/purple	0.5	multiway 2	10

(J3) CIGARETTE LIGHTER:
1 x 3 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	battery	red	1.0	spliced joint 7	-
2	earth	black	0.5	earth point	-
3	illumination	red/white	0.5	spliced joint 9B	-

(J4) COLUMN POD HARNESS:
1 x 12 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	start signal	black/white	0.5	multiway 1	18
2	stop signal	black/red	0.5	multiway 1	19
3	fuel signal	green/black	0.5	multiway 1	20
4	ignition	green	0.5	spliced joint 1	-
5	battery	red	0.5	spliced joint 7	-
6	earth	black	0.5	earth point	-
7	illumination	red/white	0.5	spliced joint 9A	-

(J5) COURTESY LAMPS' SUB - HARNESS:
1 x 3 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	battery	red	0.5	spliced joint 7	-
2	earth	black	0.5	earth point	-
3	lamp control	purple/red	0.5	multiway 2	11

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(J6) DASH SWITCHES' INTERFACE UNIT CONNECTOR:
1 x MIC IV 9 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A1	illumination	red/white	0.5	spliced joint 9A	-
A2	earth	black	0.5	earth point	-
A5	fog lamps signal	yellow	0.5	multiway 1	15
B1	headlamps	blue	0.5	spliced joint 12	-
B2	sidelamp signal	white	0.5	multiway 1	16
B5	fog lamp w/l	yellow/red	0.5	multiway 1	23

(J7) DASHBOARD INSTRUMENT POD CONNECTOR:
1 x 24 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	ignition	green	0.5	spliced joint 1	-
2	speedo signal	grey	0.5	multiway 1	26
3	main beam w/l	blue/white	0.5	multiway 1	25
4	oil pressure w/l	brown/white	0.5	engine harness conn.	4
5	indicate left	green/red	0.5	spliced joint 11	-
6	illumination	red/white	0.5	spliced joint 9A	-
7	indicate right	green/white	0.5	spliced joint 10	-
8	tacho input	white/black	0.5	engine harness	14
9	EFI lamp	light grn/black	0.5	engine harness conn.	12
10	handbrake	black/yellow	0.5	handbrake switch	-
11	alternator	brown/yellow	0.5	engine harness conn.	5
12	earth	black	0.5	earth point	-
13	shift lamp	orange	0.5	engine harness conn.	11
14	brake fluid	black/white	0.5	brake fluid switch	-
15	ice 1	white/pink	0.5	heater ECU conn 2	B7
16	inertia sw	black/green	0.5	multiway 1	24
17	ice 2	white/green	0.5	heater ECU conn 2	B8
18	drivers seat belt	grey/black	0.5	multiway 2	3

DRIVER'S DOOR CONNECTOR:
Connector 1: (J8) 1 x 12 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	earth	black	0.5	earth point	-
2	door pin switch	white/purple	0.5	multiway 1	1
3	inner release	orange/white	0.5	multiway 1	2
4	outer release	orange	0.5	multiway 1	3
5	window drive 1	yellow/black	1.5	multiway 1	4
6	window drive 2	yellow/green	1.5	multiway 1	5
7	mirror heater	blue/orange	0.5	spliced joint 14	-
8	common.	black/red	0.5	pass. door connector 2	8
9	mirror 1	light green	0.5	pass. door connector 2	9
10	mirror 2	slate	0.5	pass. door connector 2	10
11	position signal	blue/yellow	0.5	multiway 1	6
12	ignition	green	0.5	spliced joint 1	-

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Connector 2: (J9) 1 x 3 way Trident Snap Together

1	illumination	red/white	0.5	spliced joint 9B	-
2	speaker +	slate	0.5	radio connector (brown)	3
3	speaker -	slate/black	0.5	radio connector (brown)	4

(J10) ENGINE HARNESS CONNECTOR:
1 x 19 way Grote and Hartmann (4power - 15 signal)

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	fuel pump drive	yellow	0.5	multiway 2	2
2	radiator drive 2	green/pink	0.5	multiway 2	16
3	lambda heat	yellow/black	0.5	multiway 2	17
4	oil pressure	brown/white	0.5	dashboard connector	4
5	alternator w/l	brown/yellow	0.5	dashboard connector	11
6	battery ECU	red	0.5	spliced joint 8	-
7	ign. injectors	green	1.0	spliced joint 6	-
8	starter solenoid	white/red	3.0	multiway 3	9
9	ign. coil odd	green	1.0	spliced joint 4	-
10	ign. coil even	green	1.0	spliced joint 4	-
11	shift lamp	orange	0.5	dashboard connector	13
12	EFI fault lamp	lt. green/black	0.5	dashboard connector	9
13	purge valve drive	purple/black	0.5	multiway 2	19
14	tacho	white/black	0.5	dashboard	8
15	radiator drive 1	green/pink	0.5	spliced joint 13	-
16	ignition ecu	green	0.5	spliced joint 6	-
17	A/C clutch	white/green	0.5	heater control conn 2	B5
18	A/C ackn.	white/black	0.5	heater control conn 2	A6
19	A/C req.	white/pink	0.5	nose connector	15

(J11:A, J11:B) HAND BRAKE SWITCH:
2 x 6.3mm spades & covers

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
-	earth	black	0.5	earth point	-
-	h/brake sw.	black/yellow	0.5	dashboard connector	10

(J12) HEATER BOX (HEATED AIR):
1 x 6 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	ignition	green	2.0	multiway 2	4
2	hot speed	black/yellow	1.5	heater control conn 1	A7
3	left side-repeat	green/red	0.5	spliced joint 11	-
4	earth	black	0.5	earth point	-

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(J13) HEATER BOX (FRESH AIR AND AIR CON.):
1 x 6 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	ignition	green	2.0	multiway 2	24
2	cold speed	black/white	1.5	heater control conn 1	A3
3	right side-repeat	green/white	0.5	spliced joint 10	-
4	earth	black	0.5	earth point	-
5	A/C req. out	white/pink	0.5	nose harness conn.	12
6	A/C req. in	white/pink	0.5	heater control conn 2	B2

HEATER CONTROL UNIT CONNECTOR:
Connector 1: (J14) 1 x MIC IV 17 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A3	cold speed	black/white	1.5	heater box (fresh air)	2
A4	earth	black	2.0	earth point	-
A7	hot speed	black/yellow	1.5	heater box (heated air)	2
A8	earth	black	2.0	earth point	-
A9	earth	black	0.5	earth point	-
B2	ignition	green	0.5	spliced joint 5	-
B3	earth	black	0.5	earth point	-
B5	ignition	green	0.5	spliced joint 5	-
B9	ignition	green	0.5	spliced joint 5	-

Connector 2: (J15) 1 x MIC IV 17 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A1	rear window	purple/red	0.5	multiway	
A3	mirror heat	blue/orange	0.5	spliced joint 14	-
A4	ignition	green	0.5	spliced joint 5	-
A6	A/C ackn.	white/black	0.5	engine connector	18
A9	thermistor -	black/slate	0.5	nose connector	16
B1	ignition	green	0.5	spliced joint 5	-
B2	A/C req.	white/pink	0.5	heater box (fresh air)	6
B5	A/C clutch	white/green	0.5	engine connector	17
B7	ice LED 1	white/pink	0.5	dashboard connector	15
B8	ice LED 2	white/green	0.5	dashboard connector	17
B9	thermistor +	black/red	0.5	nose connector	14

(J16) IGNITION SWITCH:
1 x 2 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	earth	black	0.5	earth point	-
2	ignition control	black	0.5	multiway 2	15

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(J17) INNER LOCK BUTTON + DOOR STATUS LED:
1 x 6 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	earth	black	0.5	earth point	-
2	lock signal	black/white	0.5	multiway 1	13
3	battery	red	0.5	spliced joint 7	-
4	led drive	black/red	0.5	multiway 1	14

PASSENGER DOOR CONNECTORS:
Connector 1: (J18) 1 x 12 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	earth	black	0.5	earth point	-
2	door pin switch	white/purple	0.5	multiway 1	7
3	inner release	orange/white	0.5	multiway 1	8
4	outer release	orange	0.5	multiway 1	9
5	window drive 1	red/black	1.5	multiway 1	10
6	window drive 2	red/green	1.5	multiway 1	11
7	mirror heater	blue/orange	0.5	spliced joint 14	-
8	common.	black/red	0.5	driver's door conn 2	8
9	mirror 1	light green	0.5	driver's door conn 2	9
10	mirror 2	slate	0.5	driver's door conn 2	10
11	position signal	blue/red	0.5	multiway 1	12
12	ignition	green	0.5	spliced joint 1	-

Connector 2: (J19)
1 x 3 way Trident Snap Together

1	illumination	red/white	0.5	spliced joint 9B	-
2	speaker +	green	0.5	radio connector (brown)	5
3	speaker -	green/black	0.5	radio connector (brown)	6

(J20) LOW BRAKE FLUID SWITCH:
2 x Framatome brake servo terminals and seals (housing fitted afterwards)

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
-	earth	black	0.5	earth point	-
-	low fluid signal	black/white	0.5	dashboard connector	14

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(J21) NOSE CONNECTOR:
1 x 19 way Grote and Hartmann (4power - 15 signal)

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	horns	purple/white	1.0	multiway 3	2
2	washers	blue/yellow	0.5	wiper control unit	A9
3					
4	sidelamps r/h	red/white	0.5	multiway 3	4
5					
6	sidelamps l/h	red/white	0.5	multiway 3	6
7	engine fan 1	pink	3.0	multiway 3	7
8	main beam r/h	blue/white	1.5	multiway 3	1
9	main beam l/h	blue/white	1.5	multiway 3	3
10	engine fan 2	pink	3.0	multiway 3	10
11	indicator r/h	green/white	0.5	spliced joint 10	-
12	A/C req. in	white/pink	0.5	heater box (cold)	6
13	indicator l/h	green/red	0.5	spliced joint 11	-
14	thermistor +	black/red	0.5	heater control conn 2	B9
15	A/C req. out	white/pink	0.5	engine connector	19
16	thermistor -	black/slate	0.5	heater control conn 2	A9
17	dip beam r/h	blue/red	1.0	multiway 3	17
18	A/C fan control	green/pink	0.5	spliced joint 13	-
19	dip beam l/h	blue/red	1.0	multiway 3	19

RADIO:
Connector 1: (J22) 1 x Pioneer 8 way ISO block BROWN

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	RR speaker +	slate/red	0.5	multiway 2	7
2	RR speaker -	black/slate	0.5	multiway 2	8
3	FR speaker +	slate	0.5	drivers door conn 2	2
4	FR speaker -	slate/black	0.5	drivers door conn 2	3
5	FL speaker +	green	0.5	passengers door conn 2	2
6	FL speaker -	green/black	0.5	passengers door conn 2	3
7	RL speaker +	green/red	0.5	multiway 2	5
8	RL speaker -	black/green	0.5	multiway 2	6

Connector 2: (J23) 1 x Pioneer 8 way ISO block BLACK

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
4	battery	red	0.5	spliced joint 7	-
5	antenna power	unused			
6	illumination	red/white	0.5	spliced joint 9B	-
7	ignition	green	0.5	spliced joint 1	-
8	earth	black	0.5	earth point	-

(J24) REVERSE LIGHT SWITCH:
1 x 2 way sealed

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A	ignition	green	0.5	spliced joint 3	-
B	reverse signal	lt green/brown	0.5	multiway	

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(J25) STEERING WHEEL CONTROL UNIT CONNECTOR:
1 x MIC IV 17 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A2	head lamp input	blue	0.5	spliced joint 12	-
A6	wiper2 signal	red/green	0.5	wiper control unit	B1
A7	main beam sig.	blue/white	0.5	multiway 1	28
A8	dip beam signal	blue/red	0.5	multiway 1	27
A9	turn left signal	green/red	0.5	multiway 1	29
B1	ignition	green	0.5	spliced joint 2	-
B2	horn	purple/black	0.5	multiway 1	32
B3	hazard signal	brown/black	0.5	multiway 1	31
B4	battery	red	0.5	spliced joint 8	-
B5	earth	black	0.5	earth point	-
B6	wiper1 signal	blue/green	0.5	wiper control unit	B2
B8	wash signal	blue/yellow	0.5	wiper control unit	B9
B9	turn right signal	green/white	0.5	multiway 1	30

WINDOW SWITCHES CONNECTOR
Driver's window switch: (J26)
1 x 6 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	earth	black	0.5	earth point	-
2	win. up signal	yellow/black	0.5	multiway 1	36
3	win. down signal	yellow/green	0.5	multiway 1	35
4	illumination	red/white	0.5	splice joint 9B	-
5	earth	black	0.5	earth point	-
6	earth	black	0.5	earth point	-

(J27) Passenger's window switch:
1 x 6 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	earth	black	0.5	earth point	-
2	win. up signal	red/black	0.5	multiway 1	34
3	win. down signal	red/green	0.5	multiway 1	33
4	illumination	red/white	0.5	splice joint 9B	-
5	earth	black	0.5	earth point	-
6	earth	black	0.5	earth point	-

(J28)WIPER CONTROL UNIT CONNECTOR:
1 x MIC IV 17 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A2	park switch	brown/green	1.5	wiper motor	2
A3	speed 1 drive	blue/green	1.5	wiper motor	3
A4	ignition	green	1.5	spliced joint 2	-
A6	speed 2 drive	red/green	1.5	wiper motor	3
A9	washer drive	blue/yellow	0.5	nose connector	2
B1	wiper2 signal	red/green	0.5	steering wheel control	A6
B2	wiper1 signal	blue/green	0.5	steering wheel control	B6
B9	washer signal	blue/yellow	0.5	steering wheel control	B8

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(J29) WIPER MOTOR CONNECTOR
1 x 5 way dedicated Lucas housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	earth	black	1.5	earth point	-
2	park switch	brown/green	1.5	wiper control unit	A2
3	speed 2 drive	red/green	1.5	wiper control unit	A6
4	ignition	green	1.5	spliced joint 2	-
5	speed 1 drive	blue/green	1.5	wiper control unit	A3

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FRONT HARNESS SPLICED JOINTS - Revision 3

SPLICED JOINT CONNECTION 1: ignition supply

from:

PIN	LOCATION	COLOUR	SIZE
13	multiway 2	green	1.0

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
column pod	4	green	0.5	fuel gauge power
dash. instrument pod	1	green	0.5	dashboard power
driver's door conn. 1	12	green	0.5	mirror control power
passenger's door conn. 1	12	green	0.5	mirror control power
radio black ISO 8 way	7	green	0.5	radio power

SPLICED JOINT CONNECTION 2: ignition supply

from:

PIN	LOCATION	COLOUR	SIZE
1	multiway 2	green	1.5

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
wiper ECU	A4	green	1.5	wiper power
wiper motor	4	green	1.5	park switch power
steering wheel ECU	B1	green	0.5	ECU power

SPLICED JOINT CONNECTION 3: ignition supply

from:

PIN	LOCATION	COLOUR	SIZE
18	multiway 2	green	1.0

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
brake switch	-	green	0.5	brake lamp power
reverse switch	A	green	0.5	reverse lamp power

SPLICED JOINT CONNECTION 4 ignition supply

from:

PIN	LOCATION	COLOUR	SIZE
12	multiway 2	green	1.5

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
engine harness	9	green	1.0	coil odd power
engine harness	10	green	1.0	coil even power

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SPLICED JOINT CONNECTION 5 ignition supply

from:

PIN	LOCATION	COLOUR	SIZE
21	multiway 2	green	1.0

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
heater ECU conn 1	B9	green	0.5	pcb power
heater ECU conn 1	B5	green	0.5	fan suppress
heater ECU conn 1	B2	green	0.5	flap power
heater ECU conn 2	A4	green	0.5	AC power
heater ECU conn 2	B1	green	0.5	mirror + window heat

SPLICED JOINT CONNECTION 6 ignition supply

from:

PIN	LOCATION	COLOUR	SIZE
9	multiway 2	green	1.5

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
engine harness	7	green	1.0	injector power
engine harness	16	green	0.5	ECU power

SPLICED JOINT CONNECTION 7 battery supply

from:

PIN	LOCATION	COLOUR	SIZE
14	multiway 2	red	1.5

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
radio black ISO 8 way	4	red	0.5	radio memory backup
inner lock button	3	red	0.5	LED power
column pod	5	red	0.5	clock power
courtesy lamp	1	red	0.5	lamp power
cigarette lighter	1	red	1.0	lighter power

SPLICED JOINT CONNECTION 8 battery supply

from:

PIN	LOCATION	COLOUR	SIZE
20	multiway 2	red	1.0

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
steering wheel ECU	B4	red	0.5	ECU suppression
engine harness	6	red	0.5	ECU backup power

SPLICED JOINT CONNECTION 9A instrument illumination

from:

PIN	LOCATION	COLOUR	SIZE
15	multiway 3	red/white	1.0

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
column pod	7	red/white	0.5	instrument illumination
dash switches	A1	red/white	0.5	lamp switch illumination
dashboard	6	red/white	0.5	instrument illumination
spliced joint 9B	-	red/white	0.5	illumination power

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SPLICED JOINT CONNECTION 9B instrument illumination

from:

PIN	LOCATION	COLOUR	SIZE
-	spliced joint 9A	red/white	0.5

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
cigarette light	3	red/white	0.5	lighter illumination
driver's door conn 2	1	red/white	0.5	release illumination
passenger's door conn 2	1	red/white	0.5	release illumination
radio black 8 way ISO	6	red/white	0.5	radio illumination
driver window switch	4	red/white	0.5	switch illumination
pass. window switch	4	red/white	0.5	switch illumination

SPLICED JOINT CONNECTION 10 right hand indicator

from:

PIN	LOCATION	COLOUR	SIZE
14	multiway 3	green/white	1.0

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
nose connector	11	green/white	0.5	rh front indicator
heater box cold	3	green/white	0.5	rh side repeater
dashboard	7	green/white	0.5	indicator warning lamp

SPLICED JOINT CONNECTION 11 left hand indicator

from:

PIN	LOCATION	COLOUR	SIZE
16	multiway 3	green/red	1.0

to:

DESTINATIO	PIN	COLOUR	SIZE	DESCRIPTION
nose connector	13	green/red	0.5	lh front indicator
heater box hot	3	green/red	0.5	lh side repeater
dashboard	5	green/red	0.5	indicator warning lamp

SPLICED JOINT CONNECTION 12 - head lamp signal

from:

PIN	LOCATION	COLOUR	SIZE
B1	dash switches	blue	0.5

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
steering wheel ECU	A2	blue	0.5	head lamps on signal
multiway 1	17	blue	0.5	head lamps on signal

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SPLICED JOINT CONNECTION 13 - radiator fan 1 signal

from:

PIN	LOCATION	COLOUR	SIZE
15	engine harness	green/pink	0.5

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
nose connector	18	green/pink	0.5	AC control of fan
multiway 2	22	green/pink	0.5	radiator fan 1 relay drive

SPLICED JOINT CONNECTION 14 - mirror heater drive

from:

PIN	LOCATION	COLOUR	SIZE
A3	heater ECU conn 2	blue/orange	0.5

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
driver's door conn 1	7	blue/orange	0.5	mirror heating element power
passenger's door conn 1	7	blue/orange	0.5	mirror heating element power

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FRONT HARNESS MULTIWAY CONNECTIONS - Revision 3

(J30) MULTIWAY CONNECTOR 1:
1 x 36 way Trident Snap Together
(Note: all identically coloured wires must be marked with their associated cavity number)

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	driver door pin sw.	white/purple	0.5	drivers door conn 1	2
2	driver inner release	orange/white	0.5	drivers door conn 1	3
3	driver outer release	orange	0.5	drivers door conn 1	4
4	driver window 1	yellow/black	1.5	drivers door conn 1	5
5	driver window 2	yellow/green	1.5	drivers door conn 1	6
6	driver window pos	blue/yellow	0.5	driver's door conn 1	11
7	pass. door pin sw.	white/purple	0.5	passenger door conn 1	2
8	pass. inner release	orange/white	0.5	passenger door conn 1	3
9	pass. outer release	orange	0.5	passenger door conn 1	4
10	pass. window 1	red/black	1.5	passenger door conn 1	5
11	pass. window 2	red/green	1.5	passenger door conn 1	6
12	pass. window pos.	blue/red	0.5	passenger door conn 1	11
13	lock button sig	black/white	0.5	inner lock button	2
14	locked LED sig	black/red	0.5	inner lock button	4
15	fog lamp sw. sig	yellow	0.5	dash switches unit	A5
16	sidelamp sw. sig	white	0.5	dash switches unit	B2
17	headlamp sw. sig	blue	0.5	splice joint 12	-
18	start signal	black/white	0.5	column pod unit	1
19	stop signal	black/red	0.5	column pod unit	2
20	fuel level sig	green/black	0.5	column pod unit	3
21	bonnet switch sig	blue/black	0.5	bonnet switch	-
22	rear window sig	purple/red	0.5	heater ECU conn. 2	A1
23	rear fog w/l	yellow/red	0.5	dash switches unit	B5
24	inertia switch w/l	black/green	0.5	dashboard	16
25	main beam w/l	blue/white	0.5	dashboard	3
26	road speed signal	slate	0.5	dashboard connector	2
27	dip beam signal	blue/red	0.5	steering wheel unit	A8
28	main beam signal	blue/white	0.5	steering wheel unit	A7
29	lh turn signal	green/red	0.5	steering wheel unit	A9
30	rh turn signal	green/white	0.5	steering wheel unit	B9
31	hazard signal	brown/black	0.5	steering wheel unit	B3
32	horn signal	purple/black	0.5	steering wheel unit	B2
33	pass. win. down sig	red/green	0.5	pass. window switches	3
34	pass. win. up sig	red/black	0.5	pass. window switches	2
35	driver win.down sig	yellow/green	0.5	drivers window switches	3
36	driver win. up sig	yellow/black	0.5	drivers window switches	2

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(J31)MULTIWAY CONNECTION 2:
1 x 24 way Trident Snap Together
(Note: all identically coloured wires must be marked with their associated cavity number)

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	ignition (wipers)	green	1.5	spliced joint 2	-
2	fuel pump signal	yellow	0.5	engine connector	1
3	driver's seat belt	slate/black	0.5	dashboard	18
4	ignition	green	2.0	heater box (hot)	1
5	lh rear spkr+	green/red	0.5	radio brown 8 way ISO	7
6	lh rear spkr-	black/green	0.5	radio brown 8 way ISO	8
7	rh rear spkr+	slate/red	0.5	radio brown 8 way ISO	1
8	rh rear spkr-	black/slate	0.5	radio brown 8 way ISO	2
9	ignition (inject)	green	1.5	splice joint 6	-
10	brake lights drive	green/purple	0.5	brake light switch	-
11	courtesy lamp drive	purple/red	0.5	courtesy lamp	3
12	ignition (coils)	green	1.5	splice joint 4	-
13	ignition	green	1.0	spliced joint 1	-
14	battery	red	1.5	spliced joint 7	-
15	ignition control	black	0.5	ignition switch	2
16	radiator fan 2 sig	green/pink	0.5	engine connector	2
17	lambda heat	yellow/black	0.5	engine connector	3
18	ignition	green	1.0	spliced joint 3	-
19	purge valve drive	purple/black	0.5	engine connector	13
20	battery	red	1.0	spliced joint 8	
21	ignition	green	1.0	spliced joint 5	-
22	radiator fan 1 sig	green/pink	0.5	spliced joint 13	-
23	reverse lamps drive	lt. green/brown	0.5	reverse light switch	B
24	ignition	green	2.0	heater box (cold)	1

(J32) MULTIWAY CONNECTION 3:
1 x 19 way Grote and Hartmann (4 power + 15 signal)
(Note: all identically coloured wires must be marked with their associated cavity number)

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	rh main beam	blue/white	1.5	nose connector	8
2	horn power drive	purple/white	1.0	nose connector	1
3	lh main beam	blue/white	1.5	nose connector	9
4	rh sidelamps	red/white	0.5	nose connector	4
5					
6	lh sidelamps	red/white	0.5	nose connector	6
7	engine fan 1	pink	3.0	nose connector	7
8					
9	starter solenoid	white/red	3.0	engine connector	8
10	engine fan 2	pink	3.0	nose connector	10
11					
12					
13					
14	rh indicator	green/white	1.0	spliced joint 10	-
15	instrument lamps	red/white	1.0	spliced joint 9A	-
16	lh indicator	green/red	1.0	spliced joint 11	-
17	rh dip beam	blue/red	1.0	nose connector	17
18					
19	lh dip beam	blue/red	1.0	nose connector	19

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REAR HARNESS CONNECTORS - Revision 3

(J36) ALARM:
1 x 12 way AMP Mate N Lok

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
2	door pin	white/purple	0.5	splice joint 6	-
3	boot/bonnet	blue/black	0.5	splice joint 7	-
5	alarm active	pink	0.5	splice joint 3	-
6	earth	black	1.0	earth point	-
8	ignition	green	0.5	splice joint 2	-
9	lh indicator	green/red	1.0	splice joint 4	-
11	battery	red	1.0	splice joint 1	-
12	rh indicator	green/white	1.0	splice joint 5	-

(J37) ALARM ACCESSORY SOCKET:
1 x 6 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	battery	red	1.0	splice joint 1	-
2	ignition	green	0.5	splice joint 2	-
3	earth	black	1.0	earth point	-
4	alarm active	pink	0.5	splice joint 3	-
5	door pin	white/purple	0.5	splice joint 6	-

(J38:A, J38:B) BOOT COURTESY LAMP:
2 x 6.3mm spades + covers

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
-	battery	red	0.5	splice joint 8	-
-	signal(switch)	blue/black	0.5	splice joint 7	-

(J39) BOOT LID:
1 x 2 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	earth	black	0.5	earth point	-
2	brake lamp	green/purple	0.5	splice joint 9	-

(J40:A, J40:B) BOOT LID SWITCH:
1 = 6.3mm spade + cover / 2 = M4 eyelet

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	boot lid switch	blue/black	0.5	splice joint 7	-
2	earth	black	0.5	earth point	-

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(J41:A, J41:B) BOOT LOCK SOLENOID:
2 x 6.3mm spades + covers

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
-	battery	red	0.5	splice joint 10	-
-	lock control	red/blue	0.5	door control unit conn 3	A1

(J42) BOOT RELEASE SWITCH:
1 x 2 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	earth	black	0.5	earth point	-
2	release signal	black/red	0.5	door control unit conn 1	A8

(J43) DIM DIP CONTROL UNIT:
1 x MIC IV 9 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A1	dip power	red/yellow	2.0	lights control unit	A6
A2	dip beam out	blue/red	2.0	splice joint 11	-
A4	dim dip in	red/black	1.0	dim dip unit	6
A5	earth	black	0.5	earth point	-
B1	head lamps on	blue/yellow	0.5	dim dip unit	2
B2	main beam in	blue/white	0.5	splice joint 12	-
B3	ignition	green	0.5	splice joint 13	-

(J44:A, J44:B, J44:C, J44:D, J44:E, J44:F) DIM DIP UNIT:
6 x 6.3mm spades & covers

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	ignition	green	0.5	splice joint 13	-
2	head lamps on	blue/yellow	0.5	dim dip control unit	B1
3	battery	red	1.5	fuseboard block F	30AL
4	earth	black	1.5	earth point	-
5	sidelamp	red/white	0.5	splice joint 15	-
6	dim dip	red/black	1.0	dim dip control unit	A4

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DOOR LOCK CONTROL UNIT:
Connector 1: (J45) 1 x AMP MIC IV 17 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A1	drivers pin sw.	white/purple	0.5	splice joint 19	-
A2	lock button	black/white	0.5	multiway 1	13
A3	drvrs. inner rel.	orange/white	0.5	multiway 1	2
A4	pass. inner rel.	orange/white	0.5	multiway 1	8
A6	pass. outer rel.	orange	0.5	multiway 1	9
A7	drvrs. outer rel.	orange	0.5	multiway 1	3
A8	boot release	black/red	0.5	boot release switch	2
B1	pass. pin sw.	white/purple	0.5	spliced joint 20	-
B2	drvrs. win. pos.	blue/yellow	0.5	multiway 1	6
B3	alarm active	pink	0.5	splice joint 3	-
B4	pass win pos.	blue/red	0.5	multiway 1	12
B5	driver win.down	yellow/green	0.5	multiway 1	35
B6	pass. win. up	red/black	0.5	multiway 1	34
B7	pass. win. down	red/green	0.5	multiway 1	33
B8	driver win. up	yellow/black	0.5	multiway 1	36
B9	road speed	slate	0.5	splice joint 16	-

Connector 2: (J46) 1 x AMP MIC IV 9 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A1	earth	black	0.5	earth point	-
A5	battery	red	0.5	splice joint 17	-

DOOR LOCK CONTROL UNIT:
Connector 3: (J47) 1 x AMP MIC IV 9 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A1	boot motor	red/blue	0.5	boot lock	-
A2	battery (drv lock)	red	0.5	splice joint 18	-
A4	earth	black	1.0	earth point	-
A5	battery (pass lock)	red	0.5	splice joint 10	-
B1	courtesy lamp	purple/red	0.5	multiway 2	11
B2	drivers lock 1	blue/orange	0.5	drivers door lock motor	-
B3	drivers lock 2	blue/green	0.5	drivers door lock motor	-
B4	pass. lock 1	blue/white	0.5	pass. door lock motor	-
B5	pass. lock 2	blue/yellow	0.5	pass. door lock motor	-

Connector 4: (J48) 1 x AMP MIC IV 9 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A1	earth	black	1.5	earth point	-
A2	drivers win. 1	yellow/black	1.5	multiway 1	4
A4	pass. win. 1	red/black	1.5	multiway 1	10
A5	earth	black	1.5	earth point	-
B1	drivers win. 2	yellow/green	1.5	multiway 1	5
B2	battery(drv win)	red	1.5	splice joint 17	-
B3	LED	black/red	0.5	multiway 1	14
B4	battery (pass win)	red	1.5	splice joint 18	-
B5	pass. win. 2	red/green	1.5	multiway 1	11

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(J49:A, J49:B) DRIVER'S DOOR LOCK MOTOR:
2 x 6.3mm spades + covers

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
-	motor drive 1	blue/orange	0.5	door control unit conn 3	B2
-	motor drive 2	blue/green	0.5	door control unit conn 3	B3

(J50) DRIVER'S SEAT BELT:
1 x 2 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	driver's seat belt	slate/black	0.5	multiway 2	3
2	earth	black	0.5	earth point	-

(J51) FUEL LEVEL SENDER:
1 x 2 way sealed Raffenday

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
B	fuel level	green/black	0.5	multiway 1	20
A	earth	black	0.5	earth point	-

(J52:A, J52:B)FUEL PUMP:
1 x M4 eyelet = , 1 x M5 eyelet =
(1.1uF suppresser to be mounted across pump + to chassis ground)

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
+	pump drive	yellow/black	1.5	inertia switch	-
-	earth	black	1.5	earth point	-

FUSEBOARD

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN

USE

(DUE TO THE COMPLEXITY OF THE FUSEBOARD PLEASE REFER TO THE SEPERATE SUB SECTION DEDICATED TO THE FUSEBOARD CONNECTIONS)

(J53) IGNITION CONTROL UNIT:

1 x AMP MIC IV 9 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A1	battery (ign)	red	1.5	spliced joint 23	-
A2	ignition earth	black	0.5	multiway 2	15
A5	battery (start)	red	0.5	spliced joint 23	-
B1	ign output	white	1.5	fuseboard block B	15
B2	start	black/white	0.5	multiway 1	18
B3	stop	black/red	0.5	multiway 1	19
B5	starter	white/red	0.5	immobiliser	8

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(J54) IMMOBILISER:
1 x 12 way Trident Snap Together

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	ignition	green	0.5	splice joint 2	-
2	battery	red	0.5	splice joint 1	-
3	earth1	black	1.0	earth point	-
4	ignition (ECU)	green	1.0	fuseboard block B	15A
5	ignition (ECU)	green	1.0	multiway 2	9
6	earth 2	black	1.0	earth point	-
8	starter	white/red	0.5	ignition control unit	B5
10	starter	white/red	0.5	fuseboard block D	85L
12	fuel pump	yellow	0.5	fuseboard block K	2
11	fuel pump	yellow	0.5	multiway 2	2

(J55) INDICATOR CONTROL UNIT:
1 x AMP MIC IV 17 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A1	rh indicator	green/white	1.0	splice joint 5	-
A2	flasher input	lt. green/brown	1.0	fuseboard block A	87M
A3	lh indicator	green/red	1.0	splice joint 4	-
A6	ignition	green	1.0	fuseboard block M	75AS
A7	flash power	green/yellow	1.0	fuseboard block A	85M
A8	battery	red	1.0	fuseboard block H	58R
A9	hazard signal	brown/black	0.5	multiway 1	31
B1	rh turn	green/white	0.5	multiway 1	30
B4	lh turn	green/red	0.5	multiway 1	29
B9	earth	black	0.5	earth point	-

(J56) INERTIA SWITCH:
1 x 3 way AMP Econo-seal - (viewed cable entry with lock bar to top)

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATIO	PIN
l/h	pump input	yellow	1.5	fuseboard block K	4
mid	pump output	yellow/black	1.5	fuel pump	+
r/h	warning lamp	black/green	0.5	multiway 1	24

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(J57) LIGHTS CONTROL UNIT:
1 x AMP MIC IV 17 way housing

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A1	rear fog lamps	yellow/red	1.0	rh lamp cluster	5
A2	fog lamp w/l	yellow/red	0.5	multiway 1	23
A3	sidelamps	red/white	1.0	splice joint 15	-
A4	sidelamp signal	white	0.5	multiway 1	16
A6	dip beam drive	red/yellow	2.0	dim dip control unit	A1
A7	battery (dip)	red	2.0	fuseboard block H	30B
A8	ignition	green	0.5	splice joint 13	-
A9	battery (main).	red	2.0	fuseboard block M	30AC
B1	battery (side)	red	1.5	fuseboard block G	49
B2	fog lamp signal	yellow	0.5	multiway 1	15
B3	head lamp sig.	blue	0.5	multiway 1	17
B5	dip beam sig.	blue/red	0.5	multiway 1	27
B6	main beam sig.	blue/white	0.5	multiway 1	28
B8	lh main beam	blue/white	1.5	multiway 3	3
B9	rh main beam	blue/white	1.5	splice joint 12	-

NUMBER PLATE LAMPS:
Connector 1: (J58:A, J58:B) 2 x 6.3mm spades + covers

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
-	sidelamp	red/white	0.5	splice joint 25	-
-	earth	black	0.5	earth point	-

Connector 2: (J59:A, J59:B) 2 x 6.3mm spades + covers

-	sidelamp	red/white	0.5	splice joint 25	-
-	earth	black	0.5	earth point	-

(J60:A, J60:B)PASSENGER'S DOOR LOCK MOTOR:
2 x 6.3mm spades + covers

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
-	motor drive 1	blue/white	0.5	door control unit conn 3	B4
-	motor drive 2	blue/yellow	0.5	door control unit conn 3	B5

(J61) PURGE VALVE:
1 x 2 way Raffenday sealed

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
A	purge power	yellow/black	0.5	splice joint 21	-
B	purge drive	purple/black	0.5	multiway 2	19

(J62:A, J62:B) REAR SPEAKER (Right hand) :
1 x 4.8 AMP faston type = + / 1 x 2.8 AMP faston type = -

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
+	rh rear spkr +	slate/red	0.5	multiway 2	7
-	rh rear spkr -	black/slate	0.5	multiway 2	8

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(J63:A, J63:B) REAR SPEAKER (Left hand) :
1 x 4.8 AMP faston type = + / 1 x 2.8 AMP faston type = -

PIN	DESTINATION	COLOUR	SIZE	DESTINATION	PIN
+	lh rear spkr +	green/red	0.5	multiway 2	5
-	lh rear spkr -	black/green	0.5	multiway 2	6

(J64:A, J64:B)REAR WINDOW:
2 x 6.3mm spades + covers

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
-	rear window	purple	2.0	fuseboard block F	RL
-	earth	black	2.0	earth point	-

(J65) REAR LAMP CLUSTER (LEFT):
1 x Ford 5 way timer connector

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	reverse lamp	lightlt. green/brown	0.5	multiway 223	
2	earth	black	1	earth point	-
3	lh indicator	green/red	0.5	splice joint 4	-
4	brake lamp	green/purple	0.5	splice joint 9	-
5	sidelamp	red/white	0.5	splice joint 25	-

(J66) REAR LAMP CLUSTER (RIGHT):
1 x Ford 5 way timer connector

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	brake lamp	green/purple	0.5	splice joint 9	-
2	sidelamp	red/white	0.5	splice joint 25	-
5	fog lamp	yellow/red	0.5	lights control unit	A1
3	rh indicator	green/white	0.5	splice joint 5	-
4	earth	black	1	earth point	-

(J67) SPEEDO SPEED SENSOR:
1 x 2 way JST sealed connector

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
o o	earth	black	0.5	earth point	-
o	speed signal	slate	0.5	splice joint 16	-

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REAR MULTIWAY CONNECTIONS - Revision 3

(J33) MULTIWAY CONNECTOR 1:
1 x 36 way Trident Snap Together
(Note: all identically coloured wires must be marked with their associated cavity number)

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	driver door pin sw.	white/purple	0.5	splice joint 19	-
2	driver inner release	orange/white	0.5	door lock ECU conn 1	A3
3	driver outer release	orange	0.5	door lock ECU conn 1	A7
4	driver window 1	yellow/black	1.5	door lock ECU conn 4	A2
5	driver window 2	yellow/green	1.5	door lock ECU conn 4	B1
6	driver window pos.	blue/yellow	0.5	door lock ECU conn 1	B2
7	pass. door pin sw.	white/purple	0.5	splice joint 20	-
8	pass. inner release	orange/white	0.5	door lock ECU conn 1	A4
9	pass. outer release	orange	0.5	door lock ECU conn 1	A6
10	pass. window 1	red/black	1.5	door lock ECU conn 4	A4
11	pass. window 2	red/green	1.5	door lock ECU conn 4	B5
12	pass. window pos.	blue/red	0.5	door lock ECU conn 1	B4
13	lock button sig.	black/white	0.5	door lock ECU conn 1	A2
14	locked LED sig.	black/red	0.5	door lock ECU conn 4	B3
15	fog lamp sw. sig.	yellow	0.5	lights ECU	B2
16	sidelamp sw. sig.	white	0.5	lights ECU	A4
17	headlamp sw. sig.	blue	0.5	lights ECU	B3
18	start signal	black/white	0.5	ignition ECU	B2
19	stop signal	black/red	0.5	ignition ECU	B3
20	fuel level sig.	green/black	0.5	fuel level sender	B
21	bonnet switch sig.	blue/black	0.5	splice joint 7	-
22	rear window sig.	purple/red	0.5	fuseboard block H	50W
23	rear fog w/l	yellow/red	0.5	lights ECU	A2
24	inertia switch w/l	black/green	0.5	inertia switch	-
25	main beam w/l	blue/white	0.5	splice joint 12	-
26	road speed signal	slate	0.5	splice joint 16	-
27	dip beam signal	blue/red	0.5	lights ECU	B5
28	main beam signal	blue/white	0.5	lights ECU	B6
29	lh turn signal	green/red	0.5	indicators ECU	B4
30	rh turn signal	green/white	0.5	indicators ECU	B1
31	hazard signal	brown/black	0.5	indicators ECU	A9
32	horn signal	purple/black	0.5	fuseboard block A	86K
33	pass. win. down sig.	red/green	0.5	door lock ECU conn 1	B7
34	pass. win. up sig.	red/black	0.5	door lock ECU conn 1	B6
35	driver win.down sig.	yellow/green	0.5	door lock ECU conn 1	B5
36	driver win. up sig.	yellow/black	0.5	door lock ECU conn 1	B8

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(J34) MULTIWAY CONNECTION 2:
1 x 24 way Trident Snap Together
(Note: all identically coloured wires must be marked with their associated cavity number)

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	ignition (wipers)	green	1.5	fuseboard block D	75A
2	fuel pump signal	yellow	0.5	immobiliser	11
3	driver's seat belt	slate/black	0.5	drivers seat belt	2
4	ignition	green	2.0	fuseboard block J	75AL
5	lh rear spkr+	green/red	0.5	left rear speaker	+
6	lh rear spkr-	black/green	0.5	left rear speaker	-
7	rh rear spkr+	slate/red	0.5	right rear speaker	+
8	rh rear spkr-	black/slate	0.5	right rear speaker	-
9	ignition (inject)	green	1.0	immobiliser	5
10	brake lights drive	green/purple	0.5	splice joint 9	-
11	courtesy lamp drive	purple/red	0.5	splice joint 6	-
12	ignition (coils)	green	1.5	fuseboard block R	-
13	ignition	green	1.0	fuseboard block H	58L
14	battery	red	1.5	splice joint 8	-
15	ignition control	black	0.5	ignition ECU	A2
16	radiator fan 2 sig.	green/pink	0.5	fuseboard block G	71
17	lambda heat	yellow/black	0.5	splice joint 21	-
18	ignition	green	1.0	fuseboard block J	58AS
19	purge valve drive	purple/black	0.5	purge valve	B
20	battery	red	1.0	fuseboard block I	58D
21	ignition	green	1.0	splice joint 14	-
22	radiator fan 1 sig.	green/pink	0.5	fuseboard block G	86N
23	reverse lamps drive	lt. green/brown	0.5	left tail lamp assy.	1
24	ignition	green	2.0	splice joint 14	-

(J35) MULTIWAY CONNECTION 3:
1 x 19 way Grote and Hartmann (4 power + 15 signal)
(Note: all identically coloured wires must be marked with their associated cavity number)

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
1	rh main beam	blue/white	1.5	splice joint 12	-
2	horn power drive	purple/white	1.0	fuseboard block K	6
3	lh main beam	blue/white	1.5	lights ECU	B8
4	rh sidelamps	red/white	0.5	splice joint 15	-
5					
6	lh sidelamps	red/white	0.5	splice joint 15	-
7	engine fan 1	pink	3.0	fuseboard block F	55
8					
9	starter solenoid	white/red	3.0	fuseboard block E	87LA
10	engine fan 2	pink	3.0	fuseboard block E	87H
11					
12					
13					
14	rh indicator	green/white	1.0	splice joint 5	-
15	instrument lamps	red/white	1.0	splice joint 15	-
16	lh indicator	green/red	1.0	splice joint 4	-
17	rh dip beam	blue/red	1.0	splice joint 11	-
18					
19	lh dip beam	blue/red	1.0	splice joint 11	-

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REAR SPLICED JOINT CONNECTIONS - Revision 3

SPLICE JOINT 1 : battery supply from fuse 3

from:

PIN	LOCATION	COLOUR	SIZE
30A	fuseboard block G	red	1.5

to:

DESTINATION	PIN	COLOUR	SIZE
alarm	red	1.0	
alarm accessory		red	1.0
immobiliser		red	0.5

SPLICED JOINT 2 : ignition supply from fuse 12

from:

PIN	LOCATION	COLOUR	SIZE
15A	fuseboard block C	green	1.0

to:

DESTINATION	PIN	COLOUR	SIZE
alarm		green	0.5
alarm accessory		green	0.5
immobiliser		green	0.5

SPLICED JOINT CONNECTION 3 : alarm state signal

from:

PIN	LOCATION	COLOUR	SIZE
5	alarm	pink	0.5

to:

DESTINATION	PIN	COLOUR	SIZE
alarm accessory	1	pink	0.5
door lock ECU conn 1	B3	pink	0.5

SPLICED JOINT CONNECTION 4: left hand indicator

from:

PIN	LOCATION	COLOUR	SIZE
A3	indicator ECU	green/red	1.0

to:

DESTINATION	PIN	COLOUR	SIZE
multiway 3	16	green/red	1.0
alarm	9	green/red	1.0
left rear lamp cluster	3	green/red	0.5

SPLICED JOINT CONNECTION 5: right hand indicator

from:

PIN	LOCATION	COLOUR	SIZE
A1	indicator ECU	green/white	1.0

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
multiway 3	14	green/white	1.0	
alarm	12	green/white	1.0	
right rear lamp cluster	3	green/white	0.5	

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SPLICED JOINT CONNECTION 6 : door pin common

from:

PIN	LOCATION	COLOUR	SIZE	
2	alarm	white/purple	0.5	

to:

DESTINATION	PIN	COLOUR	SIZE	
splice joint 19	-	white/purple	0.5	via diode - see note
splice joint 20	-	white/purple	0.5	via diode - see note
alarm accesssory	5	white/purple	0.5	

(note: each diode is a 1N4001 silicon diode with the band facing away from this splice)

SPLICED JOINT CONNECTION 7: boot/bonnet pin switches

from:

PIN	LOCATION	COLOUR	SIZE
-	boot lid switch	blue/black	0.5

to:

DESTINATION	PIN	COLOUR	SIZE	DESCRIPTION
alarm	3	blue/black	0.5	
boot courtesy lamp	-	blue/black	0.5	
multiway 1	21	blue/black	0.5	

SPLICED JOINT CONNECTION 8: battery supply from fuse 8

from:

PIN	LOCATION	COLOUR	SIZE
56AK	fuseboard block C	red	1.5

to:

DESTINATION	PIN	COLOUR	SIZE
boot courtesy lamp	-	red	0.5
multiway 2	14	red	1.5

SPLICED JOINT CONNECTION 9: brake lamp drive

from:

PIN	LOCATION	COLOUR	SIZE
10	multiway 2	green/purple	0.5

to:

DESTINATION	PIN	COLOUR	SIZE
right rear lamp cluster	1	green/purple	0.5
left rear lamp cluster	4	green/purple	0.5
boot lid	2	green/purple	0.5

SPLICED JOINT CONNECTION 10: battery supply from fuse 11

from:

PIN	LOCATION	COLOUR	SIZE
56BL	fuseboard block D	red	0.5

to:

DESTINATION	PIN	COLOUR	SIZE
boot lock solenoid	-	red	0.5
door lock ECU conn 3	A5	red	0.5

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SPLICED JOINT CONNECTION 11: dip beam drive

from:

PIN	LOCATION	COLOUR	SIZE
A2	dim dip control unit	blue/red	2.0

to:

DESTINATION	PIN	COLOUR	SIZE
multiway 3	17	blue/red	1.0
multiway 3	19	blue/red	1.0

SPLICED JOINT CONNECTION 12: right hand main beam drive

from:

PIN	LOCATION	COLOUR	SIZE
B9	lights ECU	blue/white	1.5

to:

DESTINATION	PIN	COLOUR	SIZE
dim dip control unit	B2	blue/white	0.5
multiway 1	25	blue/white	0.5
multiway 3	1	blue/white	1.5

SPLICED JOINT CONNECTION 13: ignition supply from fuse 7

from:

PIN	LOCATION	COLOUR	SIZE
58L	fuseboard block D	green	1.0

to:

DESTINATION	PIN	COLOUR	SIZE
lights ECU	A8	green	0.5
dim dip unit	1	green	0.5
dim dip control unit	B3	green	0.5

SPLICED JOINT CONNECTION 14: ignition supply from fuse 17

from:

PIN	LOCATION	COLOUR	SIZE
75AK	fuseboard block M	green	2.0

to:

DESTINATION	PIN	COLOUR	SIZE
multiway 2	21	green	1.0
multiway 2	24	green	2.0

SPLICED JOINT CONNECTION 15: sidelamp drive

from:

PIN	LOCATION	COLOUR	SIZE
A3	lights ECU	red/white	1.0

to:

DESTINATION	PIN	COLOUR	SIZE
splice joint 25	-	red/white	0.5
multiway 3	15	red/white	0.5
multiway 3	4	red/white	0.5
multiway 3	6	red/white	0.5
dim dip unit	5	red/white	0.5

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SPLICED JOINT CONNECTION 16: road speed signal

from:

PIN	LOCATION	COLOUR	SIZE
speedo speed sensor	slate	0.5	

to:

DESTINATION	PIN	COLOUR	SIZE
door lock ECU conn 1	B9	slate	0.5
multiway 1	26	slate	0.5

SPLICED JOINT CONNECTION 17: battery supply from fuse 10

from:

PIN	LOCATION	COLOUR	SIZE
56BR	fuseboard block D	red	1.5

to:

DESTINATION	PIN	COLOUR	SIZE
door lock ECU conn 2	A5	red	0.5
door lock ECU conn 4	B2	red	1.5

SPLICED JOINT CONNECTION 18: battery supply from fuse 9

from:

PIN	LOCATION	COLOUR	SIZE
56AL	fuseboard block D	red	1.5

to:

DESTINATION	PIN	COLOUR	SIZE
door lock ECU conn 3	A2	red	0.5
door lock ECU conn 4	B4	red	1.5

SPLICED JOINT CONNECTION 19: driver's pin switch

from:

PIN	LOCATION	COLOUR	SIZE
1	multiway 1	white/purple	0.5

to:

DESTINATION	PIN	COLOUR	SIZE
door lock ECU conn 1	A1	white/purple	0.5
splice joint 6	-	white/purple	0.5 via diode (see note on splice joint 6)

SPLICED JOINT CONNECTION 20: passenger's pin switch

from:

PIN	LOCATION	COLOUR	SIZE
7	multiway 1	white/purple	0.5

to:

DESTINATION	PIN	COLOUR	SIZE
door lock ECU conn 1	B1	white/purple	0.5
splice joint 6	-	white/purple	0.5 via diode (see note on splice joint 6)

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SPLICE JOINT CONNECTION 21: power supply from fuel pump to ancillaries

from:

PIN	LOCATION	COLOUR	SIZE
8	fuseboard block K	yellow/black	1.0

to:

DESTINATION	PIN	COLOUR	SIZE
purge valve	A	yellow/black	0.5
multiway 2	17	yellow/black	0.5

SPLICE JOINT CONNECTION 22: master ignition supply to auxiliary relay coils

from:

PIN	LOCATION	COLOUR	SIZE
15	fuseboard block I	white	0.5

to:

DESTINATION	PIN	COLOUR	SIZE
fuseboard block G	75	white	0.5
fuseboard block G	85N	white	0.5

SPLICE JOINT CONNECTION 23: battery supply from fuse 20

from:

PIN	LOCATION	COLOUR	SIZE
30AS	fuseboard block P	red	1.5

to:

DESTINATION	PIN	COLOUR	SIZE
ignition ECU	A1	red	1.5
ignition ECU	A5	red	0.5

SPLICED JOINT CONNECTION 24: un-fused battery supply to fuses

from:

PIN	LOCATION	COLOUR	SIZE
-	fuseboard block L (terminate as splice joint into the large spade)		

to:

DESTINATION	PIN	COLOUR	SIZE
fuseboard block F	56B	brown	2.0
fuseboard block G	57R	brown	1.5
fuseboard block I	56A	brown	2.0

SPLICED JOINT CONNECTION 25: sidelamp drive

from:

PIN	LOCATION	COLOUR	SIZE
-	splice joint 15	red/white	0.5

to:

DESTINATION	PIN	COLOUR	SIZE
number plate lamp	-	red/white	0.5
number plate lamp	-	red/white	0.5
right rear lamp cluster	2	red/white	0.5
left rear lamp cluster	5	red/white	0.5

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SPLICED JOINT CONNECTION 26: battery supply from fuse 8

from:

PIN	LOCATION	COLOUR	SIZE
56AR	fuseboard block D	red	1.0

to:

DESTINATION	PIN	COLOUR	SIZE
fuseboard block A	30K	red	1.0
fuseboard block A	85K	red	0.5

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REAR HARNESS FUSEBOARD CONNECTIONS - Revision 3

(Note: all identically coloured wires must be marked with their associated cavity number)

(J68)FUSEBOARD BLOCK A:
AMP grey 8 way

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
30k	horn power	red	1.0	splice joint 26	-
30m	not connected				
85k	horn power	red	0.5	splice joint 26	-
85m	flasher power	green/yellow	1.0	indicator ECU	A7
86k	horn signal	purple/black	0.5	multiway 1	32
86m	earth	black	0.5	earth point	-
87ak	not connected				
87m	flasher output	lt. green/brown	1.0	indicator ECU	A2

(J69)FUSEBOARD BLOCK B:
AMP black 8 way

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
15	master input	white	1.5	ignition ECU	B1
15a	fuse 12 output	green	1.0	immobiliser	4
87f	not connected				

FUSEBOARD BLOCK C: (J70)
AMP blue 8 way

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
56AK	fuse 8 output	red	1.5	splice joint 8	-
15A	fuse 12 output	green	1.0	splice joint 2	-

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(J71) FUSEBOARD BLOCK D:
AMP green 8 way

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
85L	crank signal	white/red	0.5	immobiliser	10
75A	fuse 15 output	green	1.5	multiway 2	1
56BL	fuse 11 output	red	1.0	splice joint 10	-
56BR	fuse 10 output	red	1.5	splice joint 17	-
56AR	fuse 8 output	red	1.0	splice joint 26	-
56AL	fuse 9 output	red	1.5	splice joint 18	-
P	fuel power	red	1.5	link block M	30AZ
58L	fuse 7 output	green	1.0	splice joint 13	-

(J72)FUSEBOARD BLOCK E:
AMP yellow 8 way

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
87H	engine fan 2	pink	3.0	multiway 3	10
87L	not connected				
55	not connected				
58R	fuse 6 output	red	1.5	link block E	RS
87LA	starter solenoid	white/red	3.0	multiway 3	9
RS	window power	red	1.5	link block E	58R

(J73)FUSEBOARD BLOCK F:
AMP brown 8 way

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
30AL	fuse 4 output	red	1.5	dim dip unit	3
50Z	earth	black	0.5	earth point	-
55	engine fan 1	pink	3.0	multiway 3	7
56B	pwr fuses 10+11	brown	2.0	splice joint 24	-
57L	power fuse 7	white	2.0	link block M	75S
RL	heated window	purple	1.5	rear window	+

(J74) FUSEBOARD BLOCK G:
AMP red 8 way

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
30A	fuse 3 output	red	1.5	splice joint 1	-
31	earth	black	0.5	earth point	-
49	fuse 2 output	red	1.5	lights ECU	B1
57R	pwr fuse 6	brown	1.5	splice joint 24	-
71	fan 2 drive	green/pink	0.5	multiway 2	16
75	relay power	white	0.5	splice joint 22	-
85N	relay power	white	0.5	splice joint 22	-
86N	fan 1 drive	green/pink	0.5	multiway 2	22

(J75) FUSEBOARD BLOCK H:
AMP black 6 way

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
30B	fuse 4 output	red	1.5	lights ECU	A7
50W	window drive	purple/red	0.5	multiway 1	22

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58L	fuse 7 output	green	1.0	multiway 2	13
58R	fuse 6 output	red	1.0	indicator ECU	A8
87F	not connected				

(J76)FUSEBOARD BLOCK I:
AMP Red 6 way

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
15	relay power	white	0.5	splice joint 22	-
56A	pwr fuses 8+9	brown	2.0	splice joint 24	-
58D	fuse 14 output	red	1.0	multiway 2	20
75AW	not connected				

(J77) FUSEBOARD BLOCK J:
AMP yellow 6 way

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
30	un-fused batt	brown	1.0	link block J	58
58	pwr fuse 14	brown	1.0	link block J	30
58AS	fuse 18 output	green	1.0	multiway 2	18
75AH	not connected				
75AL	fuse 17 output	green	2.0	multiway 2	4

(J78) FUSEBOARD BLOCK K:
AMP relay base style block

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
8	purge power	yellow/black	1.0	splice joint 21	-
6	horn drive	purple/white	1.0	multiway 3	2
5	not connected				
4	fuel pump	yellow	1.5	inertia switch	-
2	pump drive	yellow	0.5	immobiliser	12

(J79:A, J79:B, J79:C, J79:D) FUSEBOARD BLOCK L:
9.5 mm spades x 4

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
L	100A/2	battery supply			
L	100A/2	battery supply			
L	un-fused batt	terminate as splice joint		splice joint 24	-

(J80:A, J80:B FUSEBOARD BLOCK M:)
2 way + 3way spade housings

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
30AC	fuse 21 output	red	2.0	lights ECU	A9
30AZ	fuse 19 output	red	1.5	link block D	P
75AK	fuse 17 output	green	2.0	splice joint 14	-
75AS	fuse 18 output	green	1.0	indicator ECU	A6
75S	un-fused ign	white	2.0	link block F	57L

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(J81)FUSEBOARD BLOCK P:
1/4" Lucar

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
30AS	fuse 20 output	red	1.5	splice joint 23	-

(J82) FUSEBOARD BLOCK R:
14" Lucar

PIN	DESCRIPTION	COLOUR	SIZE	DESTINATION	PIN
	fuse 16 output	green	1.5	multiway 2	12

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Fuse No.	Description	Size
1	engine fan 1	30A
2	sidelamps, rear fog lamps	15A
3	engine fan 2, alarm powered indicators	30A
4	dip beam and dim dip headlamps	20A
5	starter motor solenoid	30A
6	rear window heater, hazard lamps	15A
7	gauges, mirrors and radio, dim dip	10A
8	horns, boot lamp, courtesy lamp, cigarette	15A
9	drivers lock ,passenger's window	20A
1	driver's window, door lock ECU	20A
11	passenger's lock, boot lock	10A
12	injectors, engine ECU, immobiliser	15A
13	not used	-
14	engine ECU backup ,steering ECU supress	10A
15	wipers, steering ECU supply	20A
16	ignition coils	20A
17	heating and ventilation system	25A
18	indicators, reverse lamps, brake lamps	15A
19	fuel pump, lambda heaters ,purge valve	20A
20	master ignition	15A
21	main beam	20A

Relay No.	Description	Part No.
1	Engine fan 1	M0643
2	Starter solenoid	M0643
3	(no service)	-
4	Fuel pump and emission control	M0509
5	Auxiliary ignition circuits	M0383
6	Horns	M0643
7	Engine fan 2	M0643
8	Heated rear window	M0643
9	(no service)	-
10	(no service)	-
11	Flasher unit	M0225

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